



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Carlyle et al.

Applic No.: 09/186,810

Filed : November 5, 1998

For : PROSTHESIS WITH ASSOCIATED  
GROWTH FACTORS

Docket No.: S16.12-0052

T. 17. 3738  
6-24-01  
#137  
JUN 21 2001  
RECEIVED  
TC 3700 MAIL ROOM

Group Art Unit: 738

Examiner: P. Prebilic

**AMENDMENT**

BOX NON-FEE AMENDMENT  
Assistant Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS  
BEING SENT BY U.S. MAIL, FIRST  
CLASS, TO THE ASSISTANT  
COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231. THIS

13 DAY OF June 2001.  
*Robert S. Dardi*  
PATENT ATTORNEY

Sir:

In response to the Office Action mailed on March 13, 2001, please enter the following amendments and consider the following remarks. Replacement claims are presented below, and marked-up claim amendments are presented on separate pages at the end of this Amendment.

IN THE CLAIMS

Please replace claim 1 with the following:

1. (Four Times, Amended) A prosthesis comprising a substrate and a polypeptide growth factor associated with the substrate by covalent bonding using crosslinking agents, antibody-antigen associations, specific binding protein-receptor associations or enzyme-substrate associations, wherein the crosslinking agents comprise at least two aldehyde functional groups that form covalent bonds to link the crosslinking agent with the polypeptide growth factor and the substrate, the polypeptide growth factor associated with the substrate being effective to stimulate association of viable cells with the substrate.